Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/23/2020 11:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123983	-1	1.99	124068	2.01
Blue	F	SSC	125000	124274	-1	2.13	125068	2.19
Blue	E	FITC	15892	15325	-4	2.92	334	20.39
Blue	D	PE	29999	29167	-3	2.07	635	15.28
Blue	B	PerCP-Cy5-5	43732	43400	-1	3.78	1164	20.39
Blue	A	PE-Cy7	30845	30917	0	6	593	41.76
Red	C	APC	46112	45298	-2	2.5	1601	12.06
Red	A	APC-Cy7	30458	30171	-1	2.39	795	11.7
Violet	B	V450	7918	7568	-5	4.54	431	13.42
Violet	A	V500	32171	30769	-5	4.32	722	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17017	7.96	630	9	N/A	N/A	Pass
Blue	F	SSC	56727	1.6	571	12	N/A	N/A	Pass
Blue	E	FITC	61	64.02	547	4	0.0191	107	Pass
Blue	D	PE	133	49.42	553	5	0.1393	211	Pass
Blue	B	PerCP-Cy5-5	214	51.02	660	4	0.0092	92	Pass
Blue	A	PE-Cy7	110	101.34	703	5	0.0102	9	Pass
Red	C	APC	382	24.79	587	3	0.0246	117	Pass
Red	A	APC-Cy7	175	28.47	560	4	0.0059	1147	Pass
Violet	B	V450	66	60.56	462	4	0.0483	2055	Pass
Violet	A	V500	107	37.06	478	4	0.0225	1201	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.90	-33.21	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.39
Red	17.09	13.60 - 20.40	N/A	N/A	30.01	30.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10106

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments